

**FIG. 1**

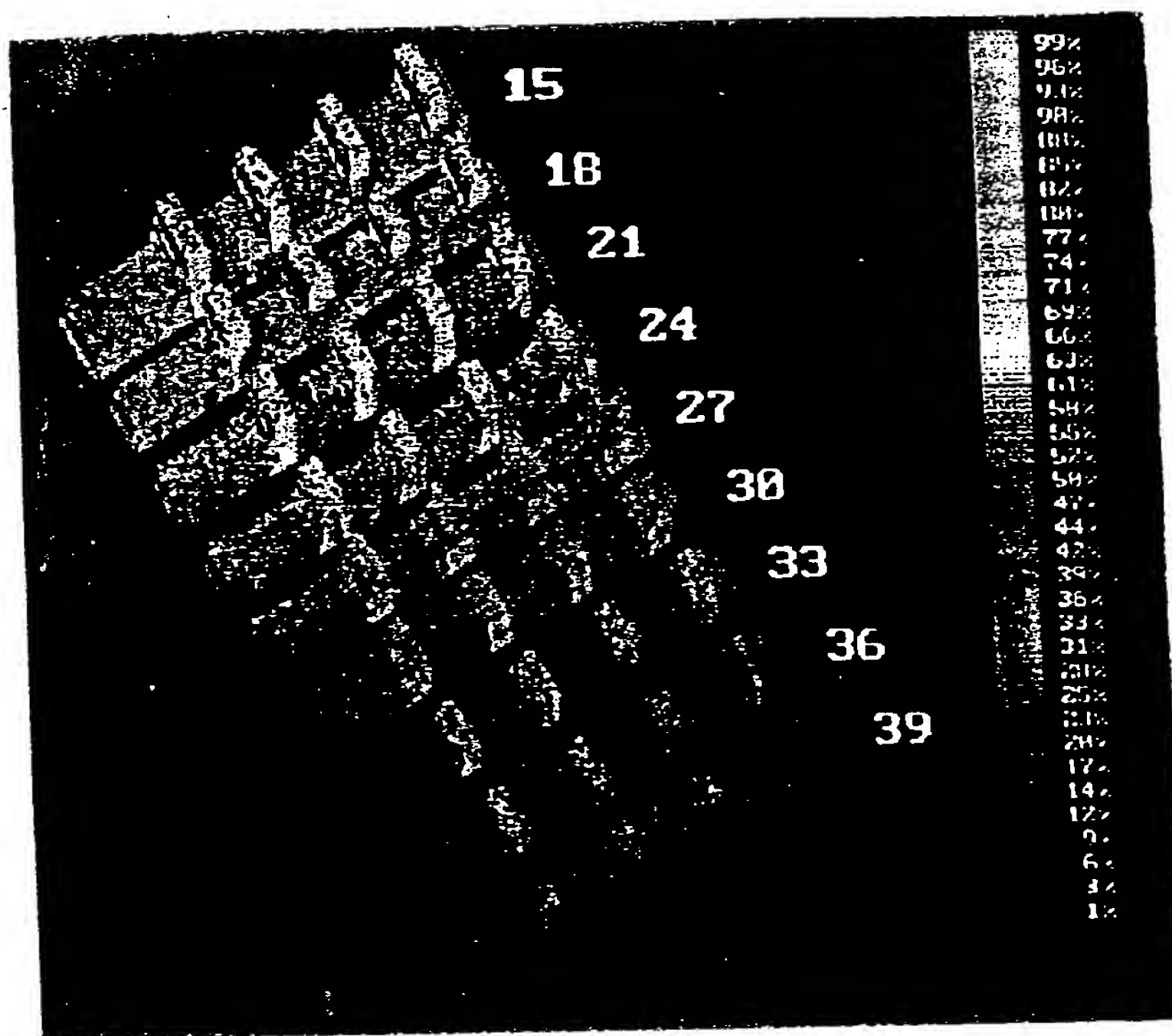


FIG. 2

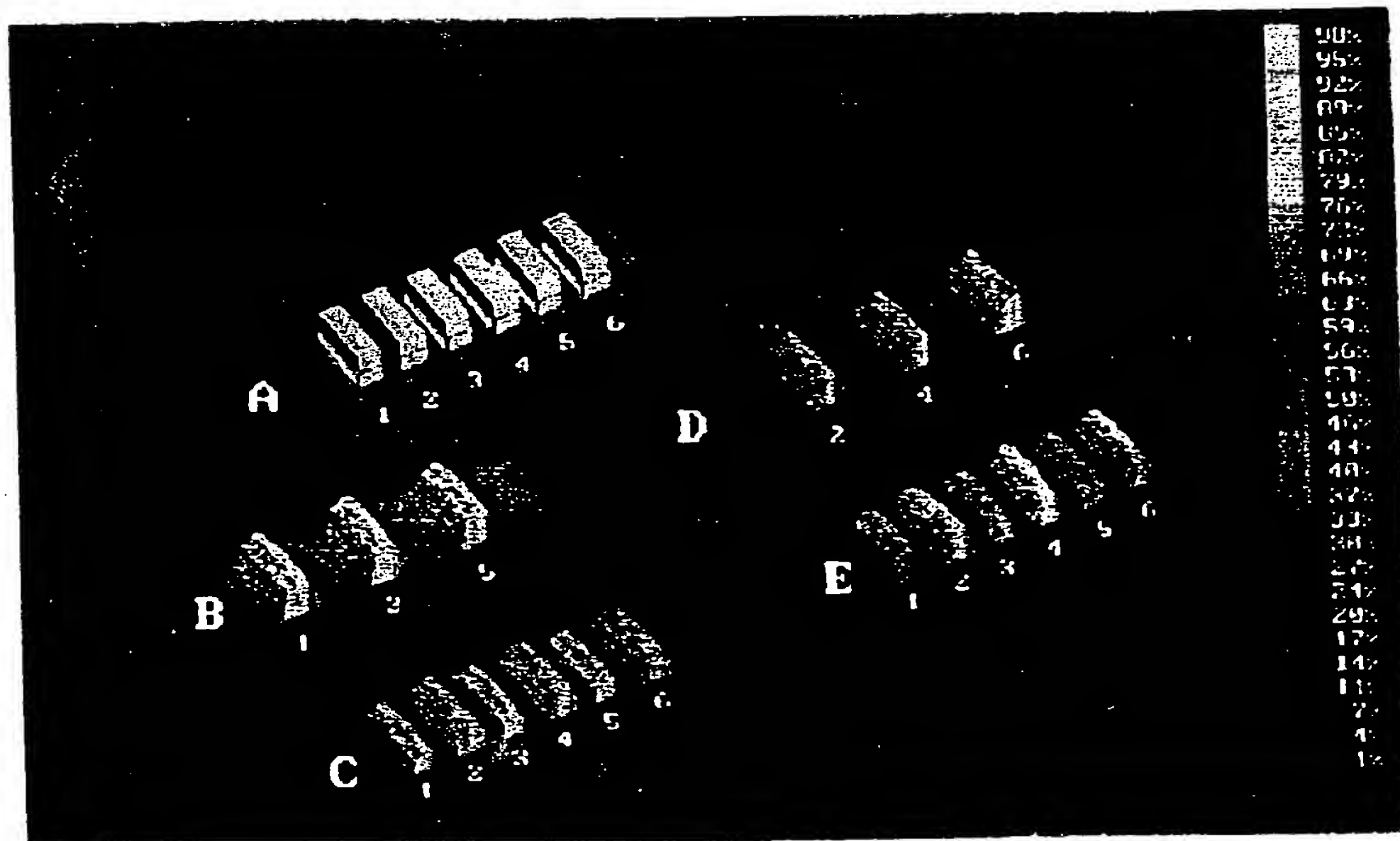
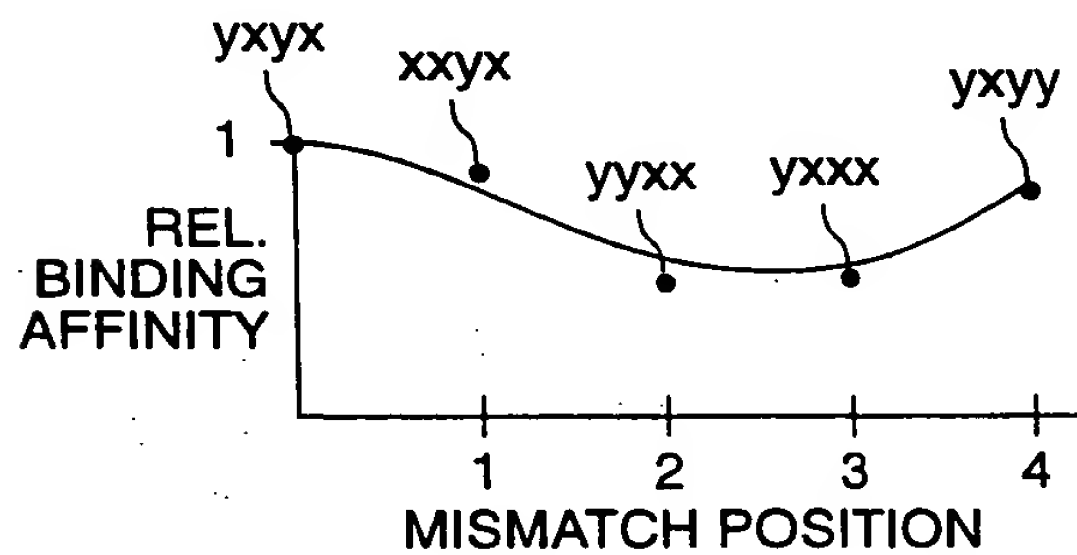
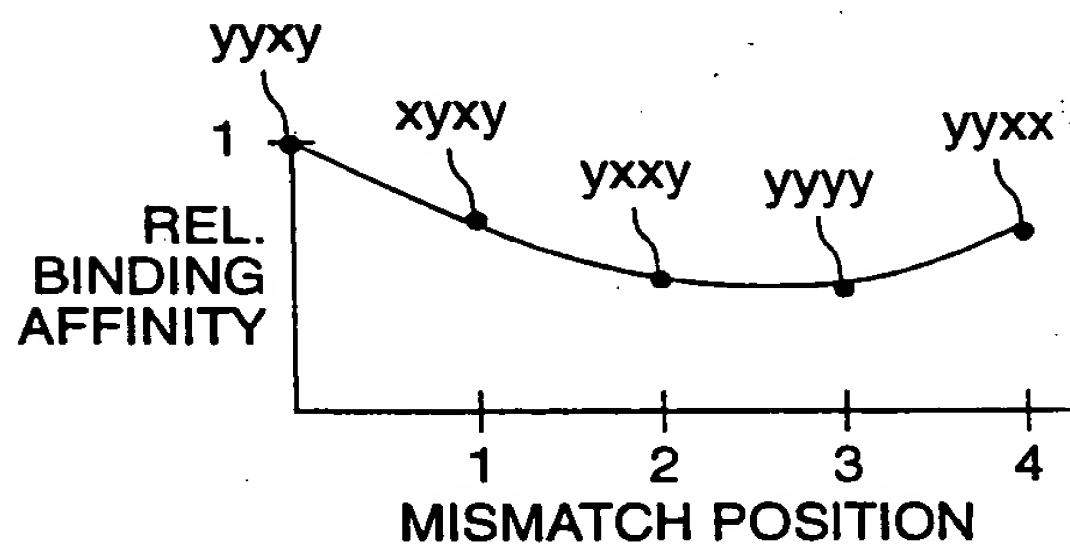
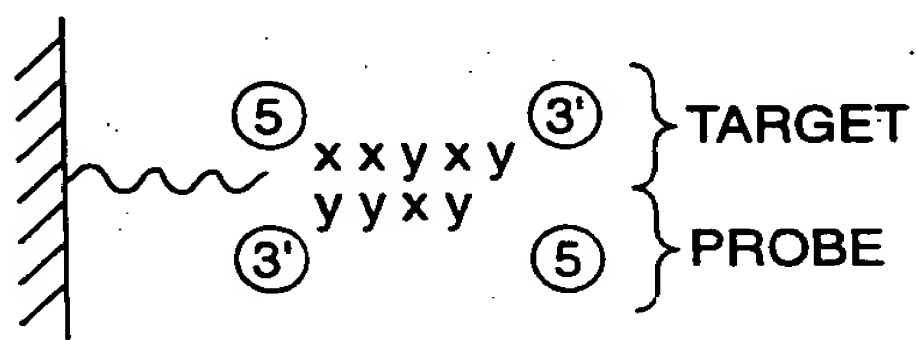
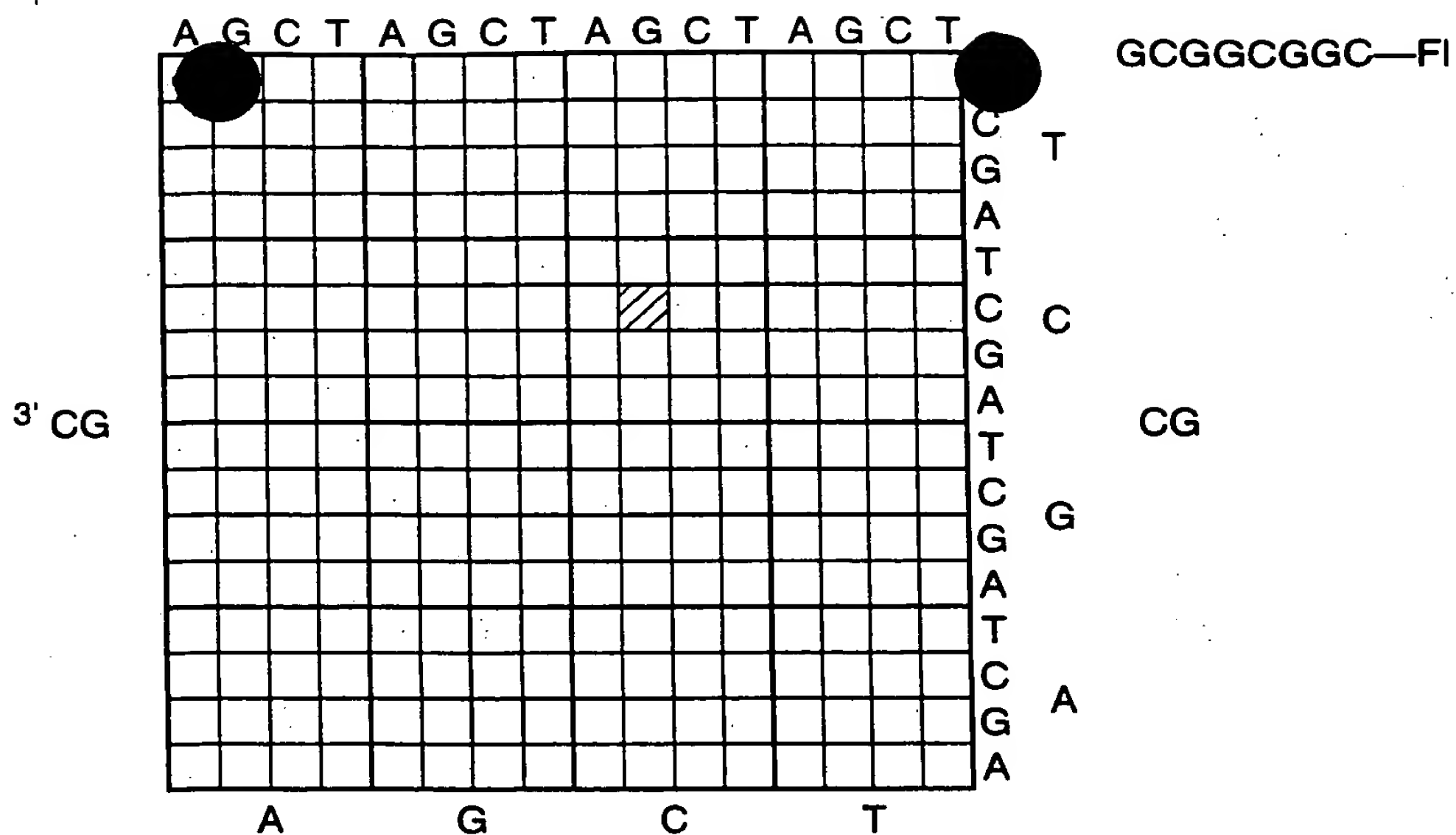


FIG. 3



This image is a high-contrast, black and white scan of a document page. The background is predominantly black, with a dense distribution of white noise, including small specks and larger, irregular clusters. In the center-left area, there is a small, bright, rectangular object that appears to be a stamp or a small graphic. This object has a distinct, though noisy, internal structure that resembles a grid or a series of vertical lines. The overall quality is poor, with significant degradation and artifacts throughout the image.

**FIG. 5a**



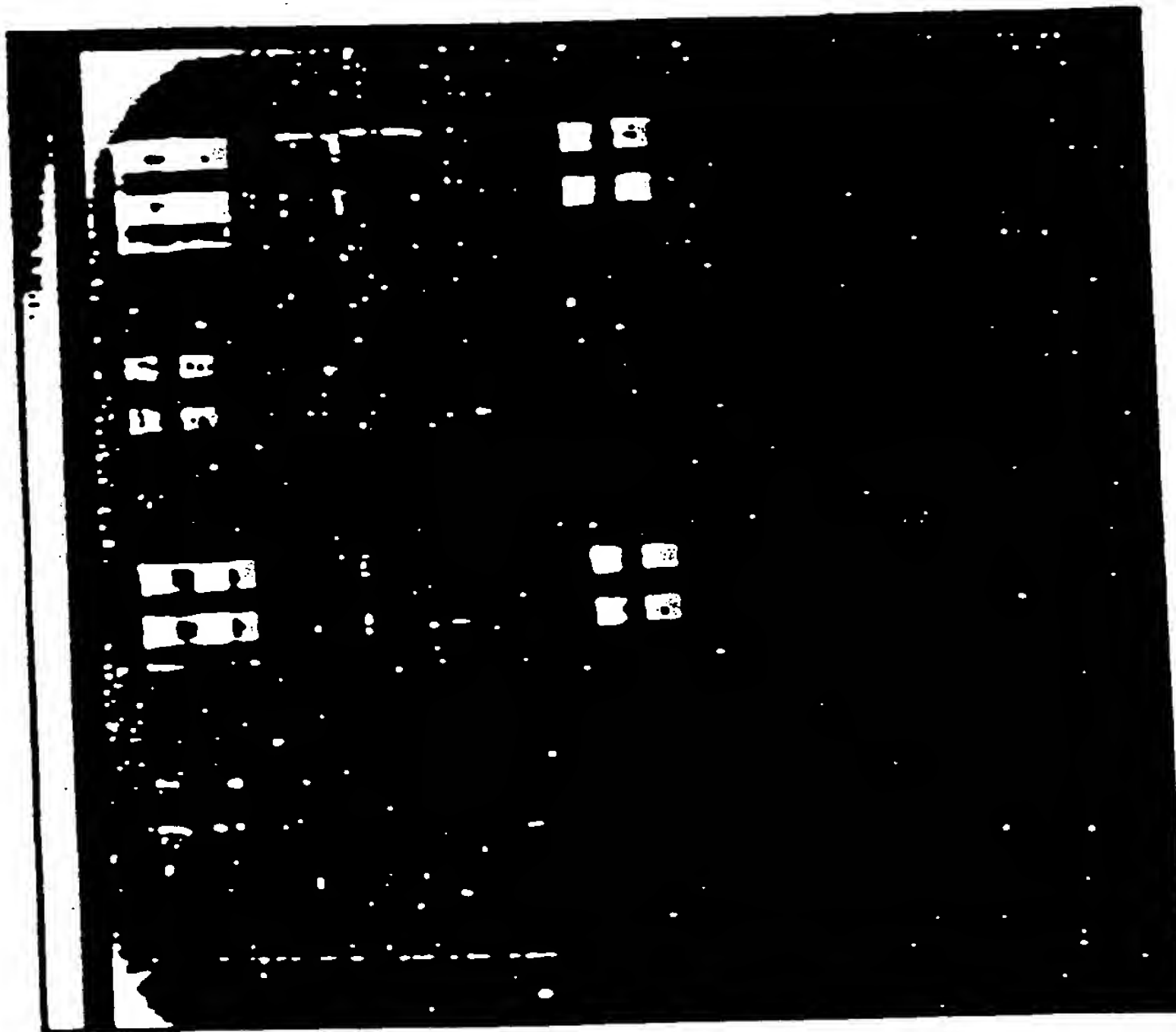


FIG. 7

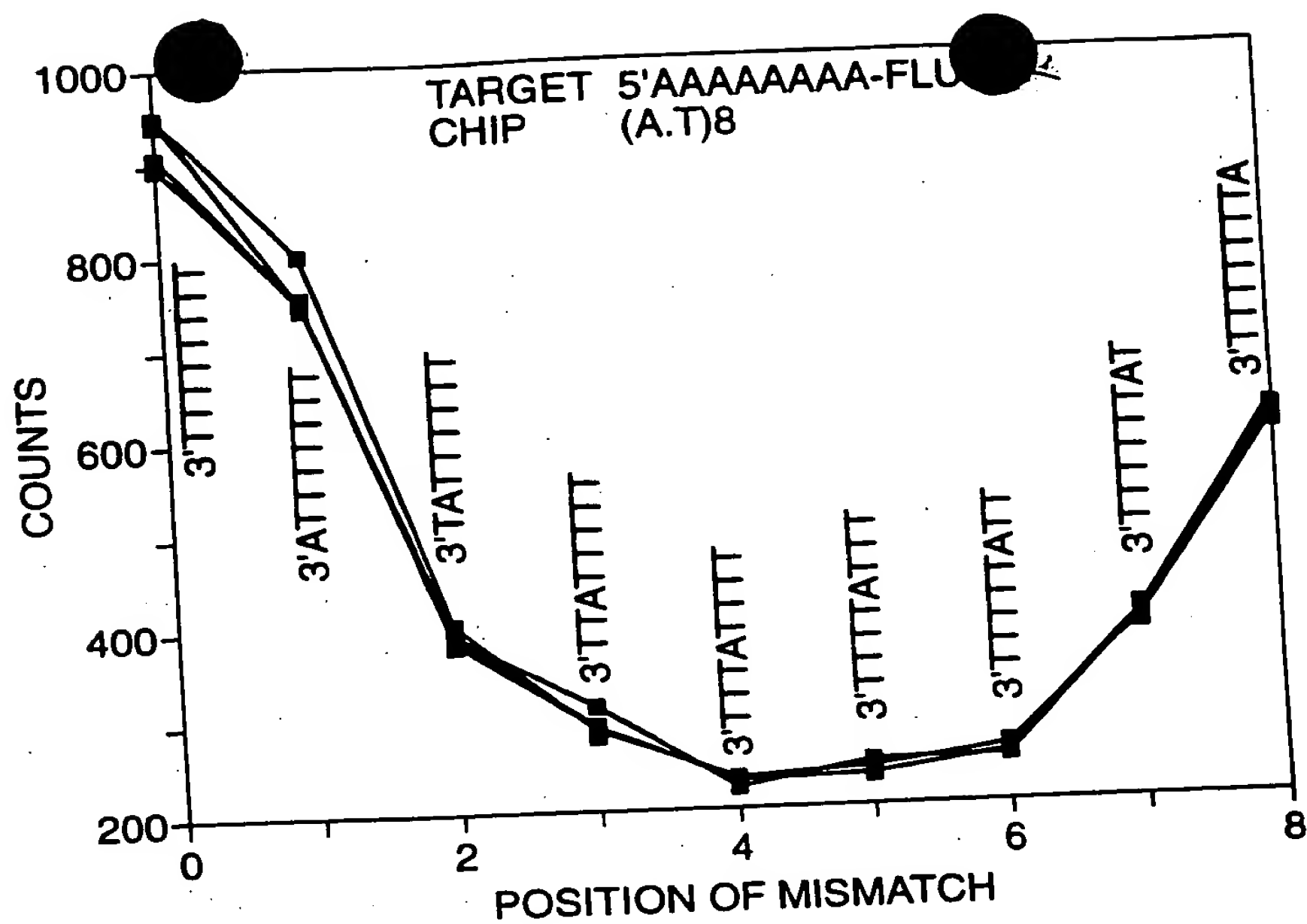


FIG. 8

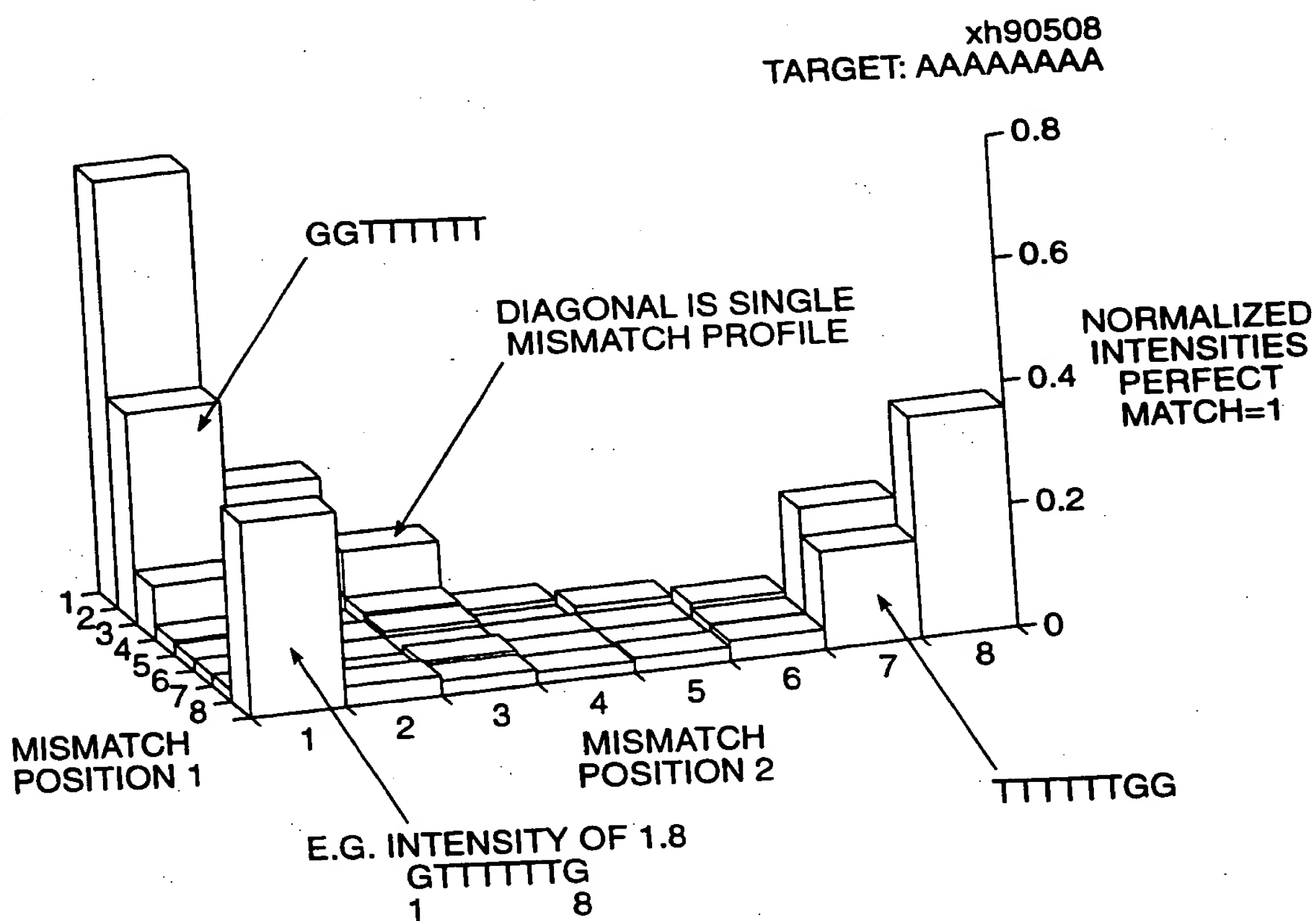
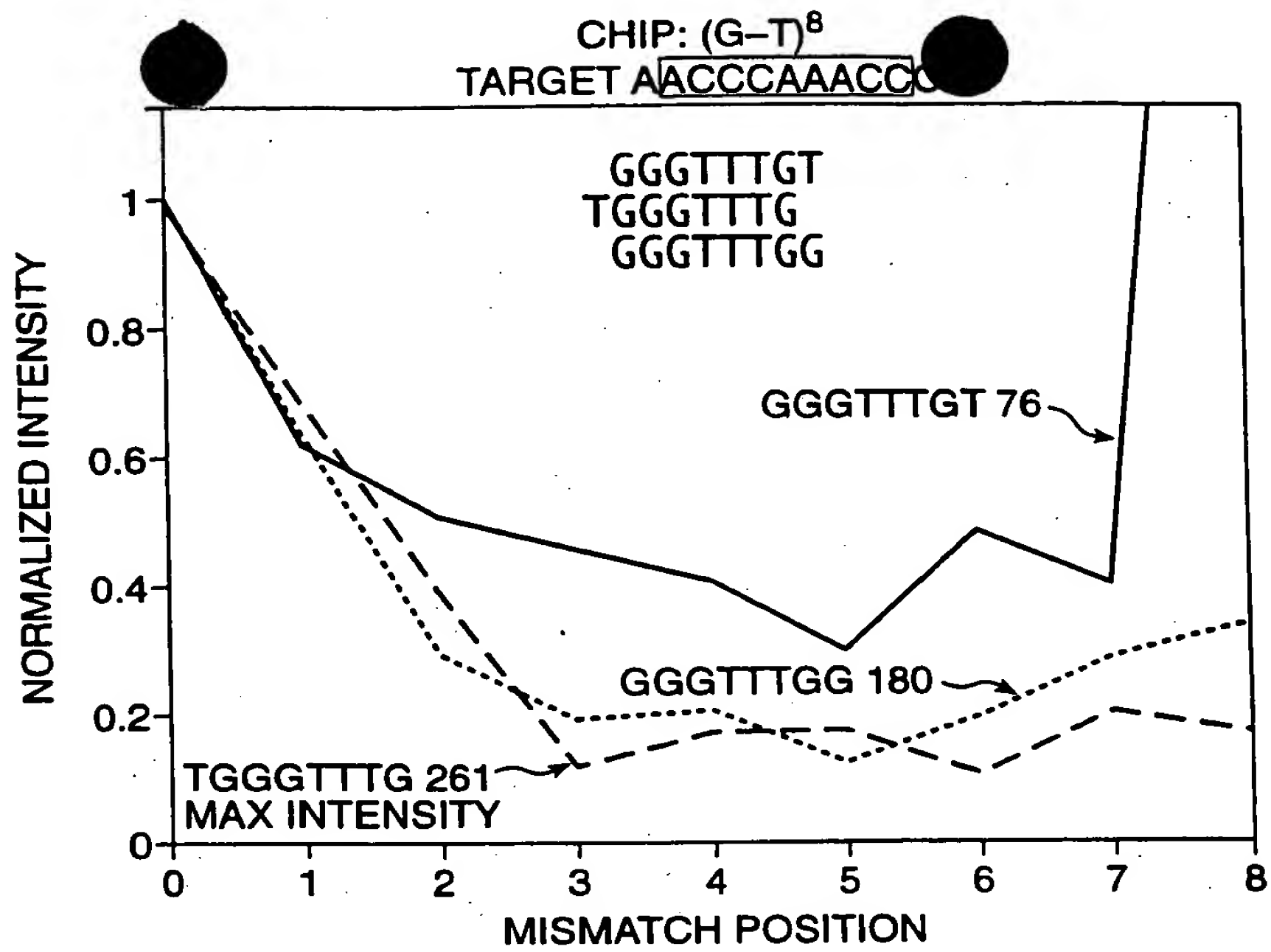


FIG. 9







PERFECT MATCH  $\geq$  NORMALIZED INTENSITY = 1

FIG. 11a

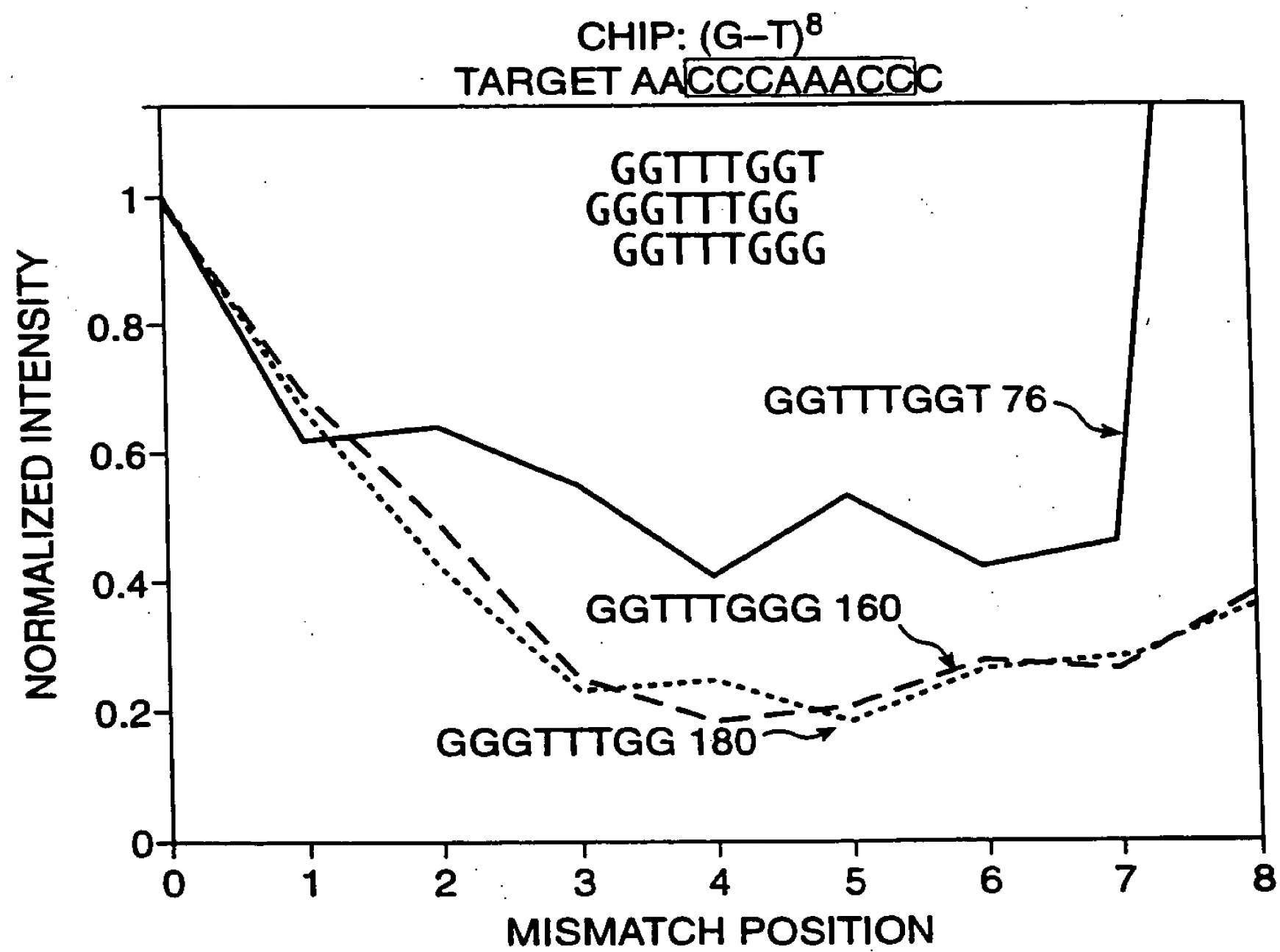


FIG. 11b

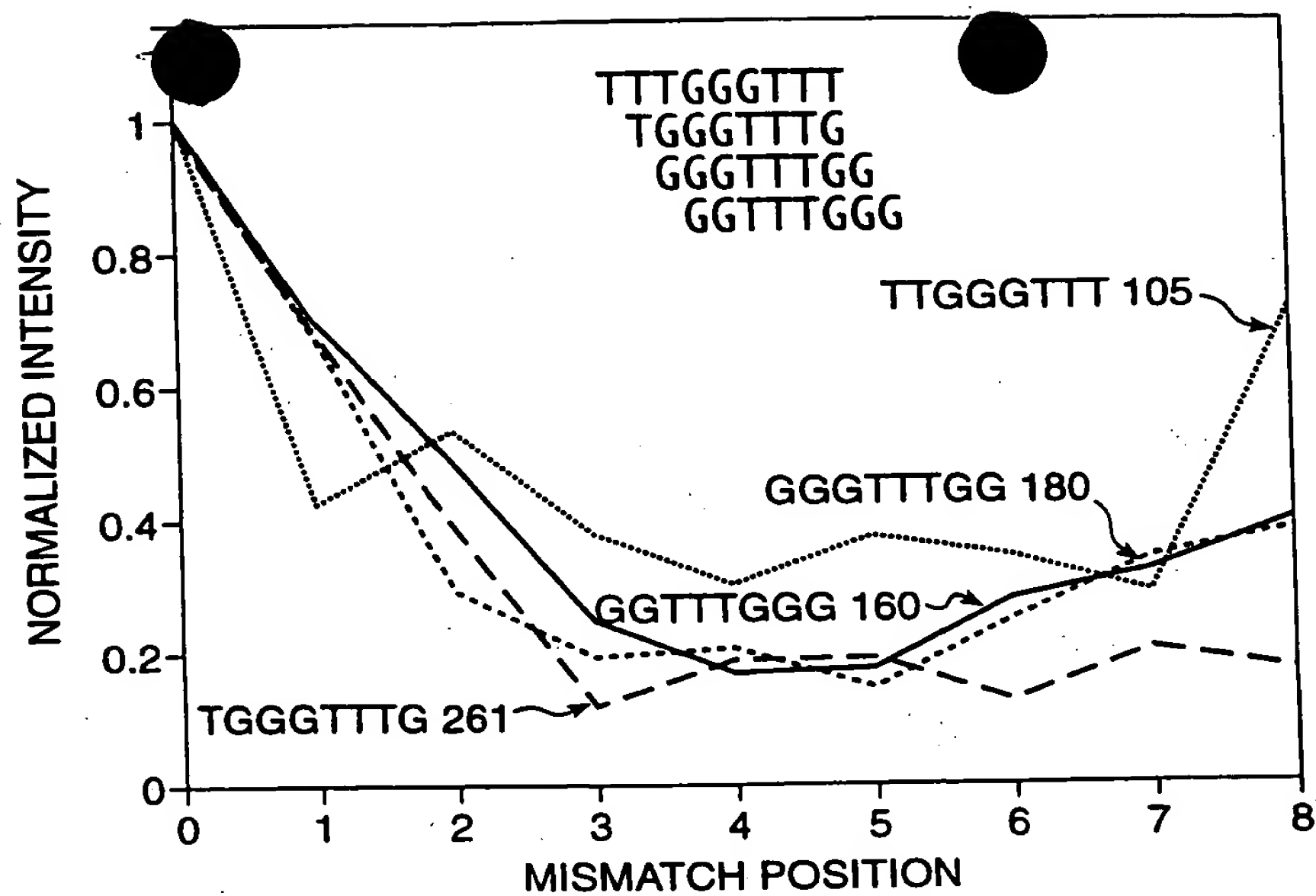


FIG. 11c

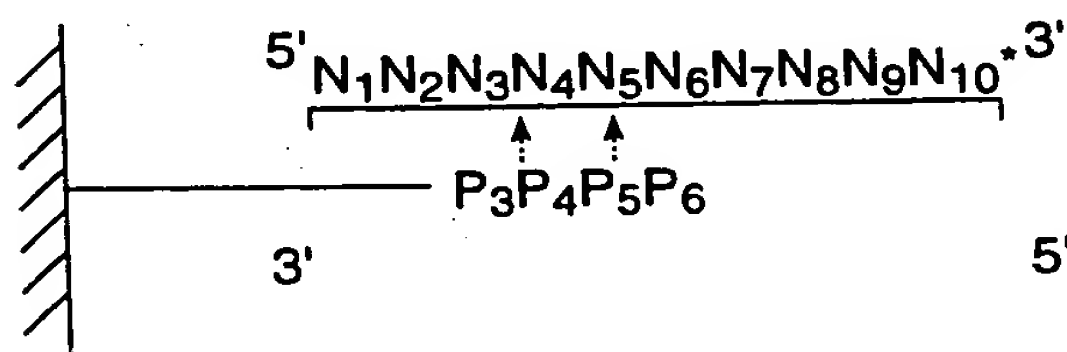


FIG. 12a

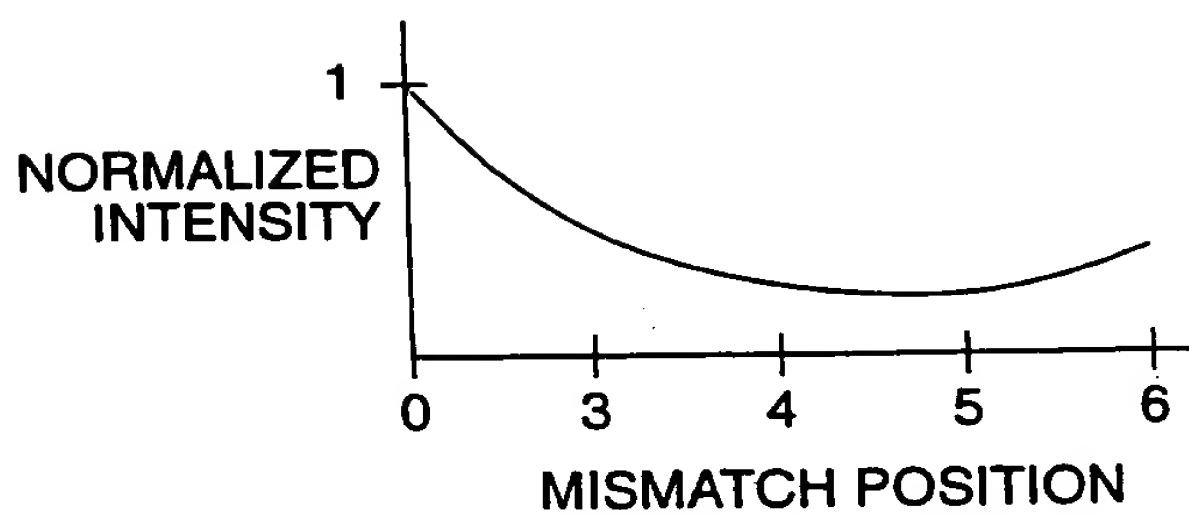


FIG. 12b

$A P_3 P_4 P_5$   
 $T P_3 P_4 P_5$   
 $C P_3 P_4 P_5$   
 $T P_3 P_4 P_5$

FIG. 12c

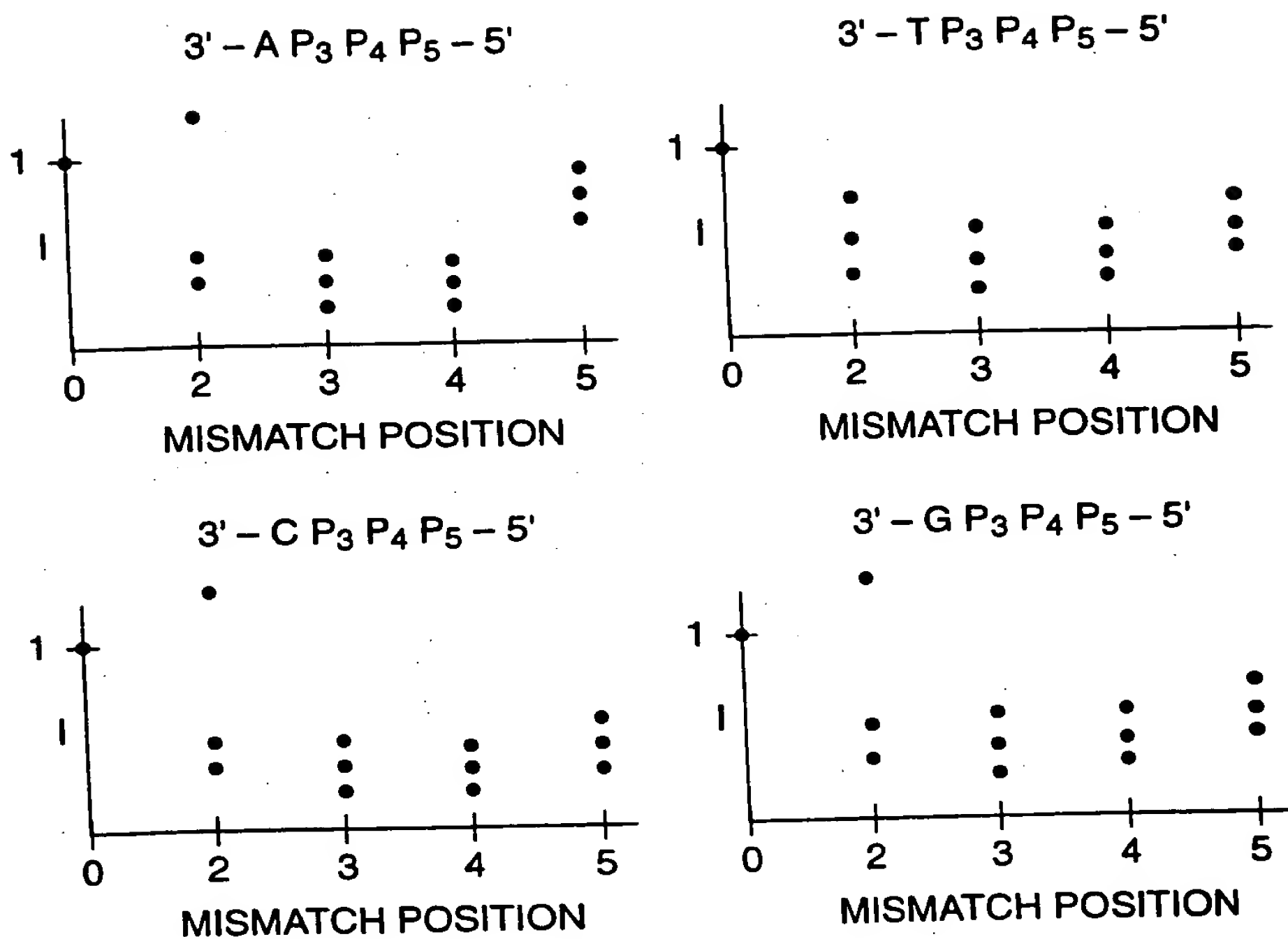


FIG. 12d

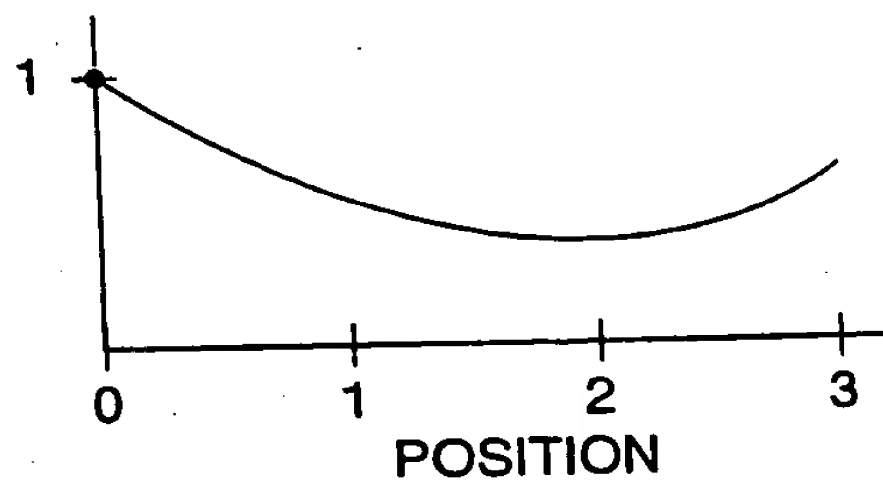


FIG. 15a

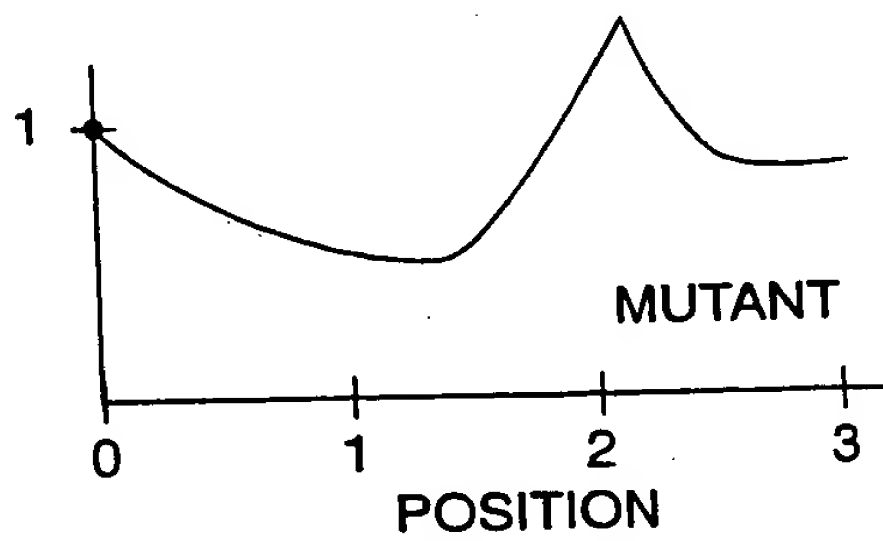


FIG. 15b

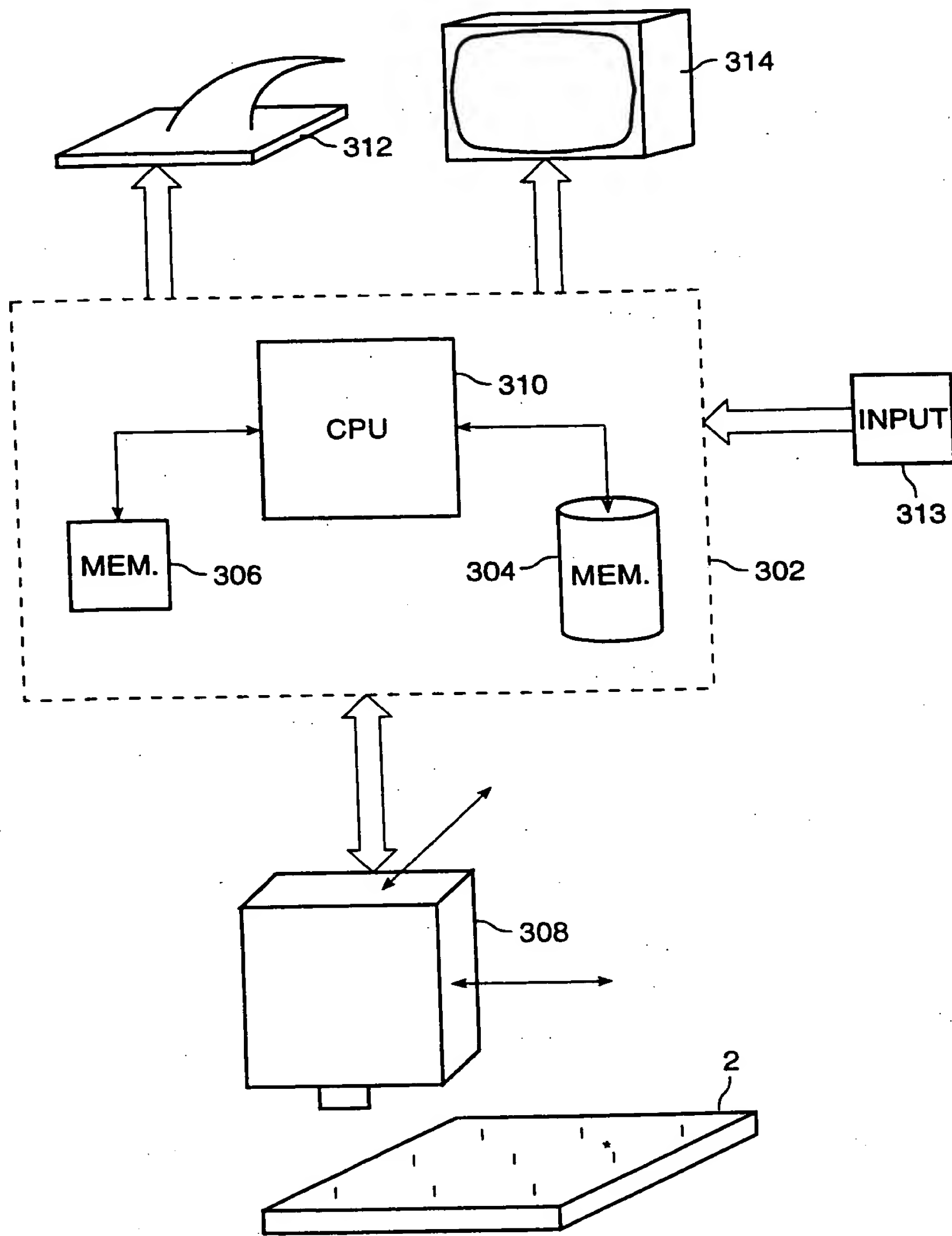


FIG. 13

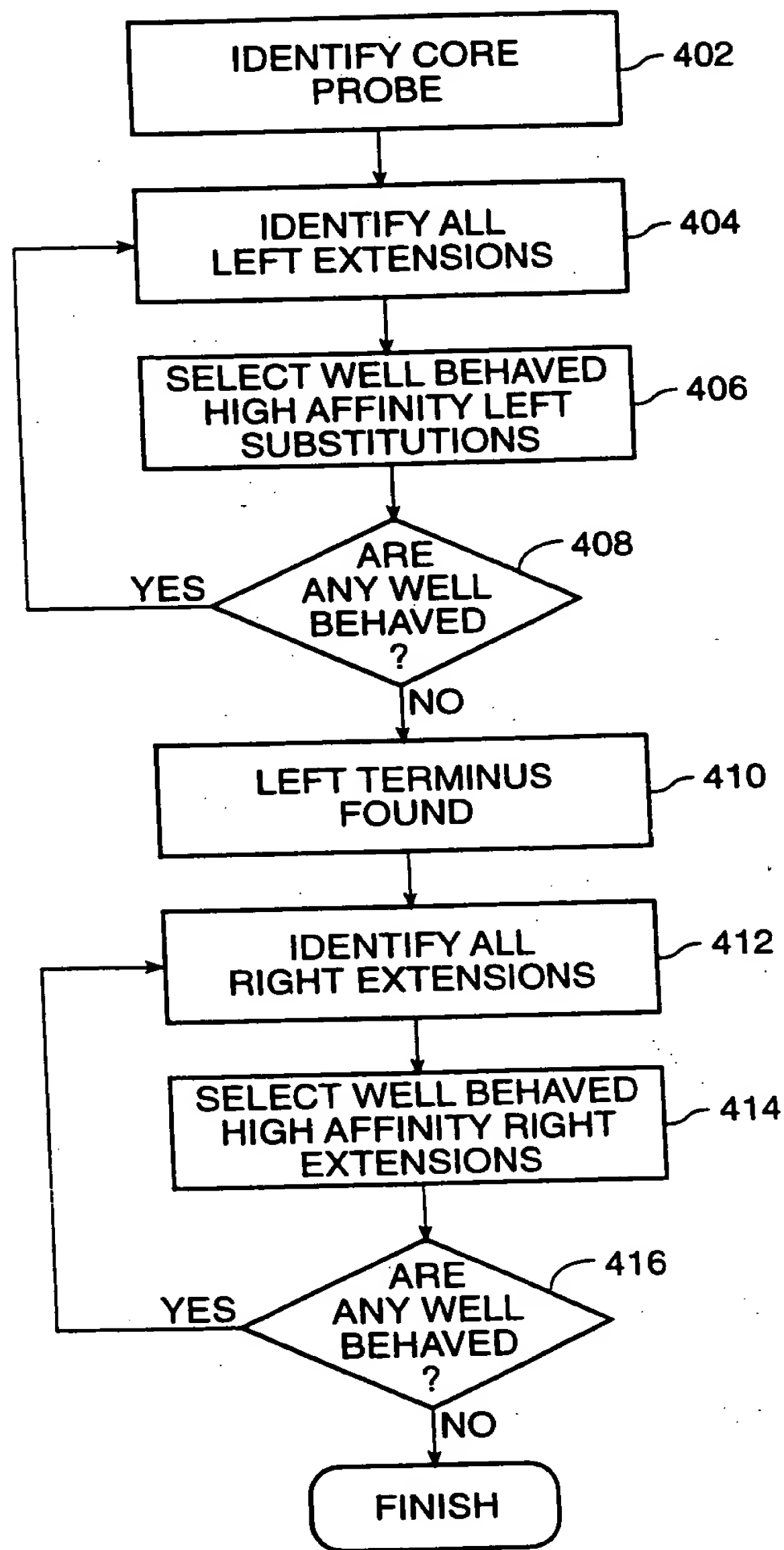


FIG. 14

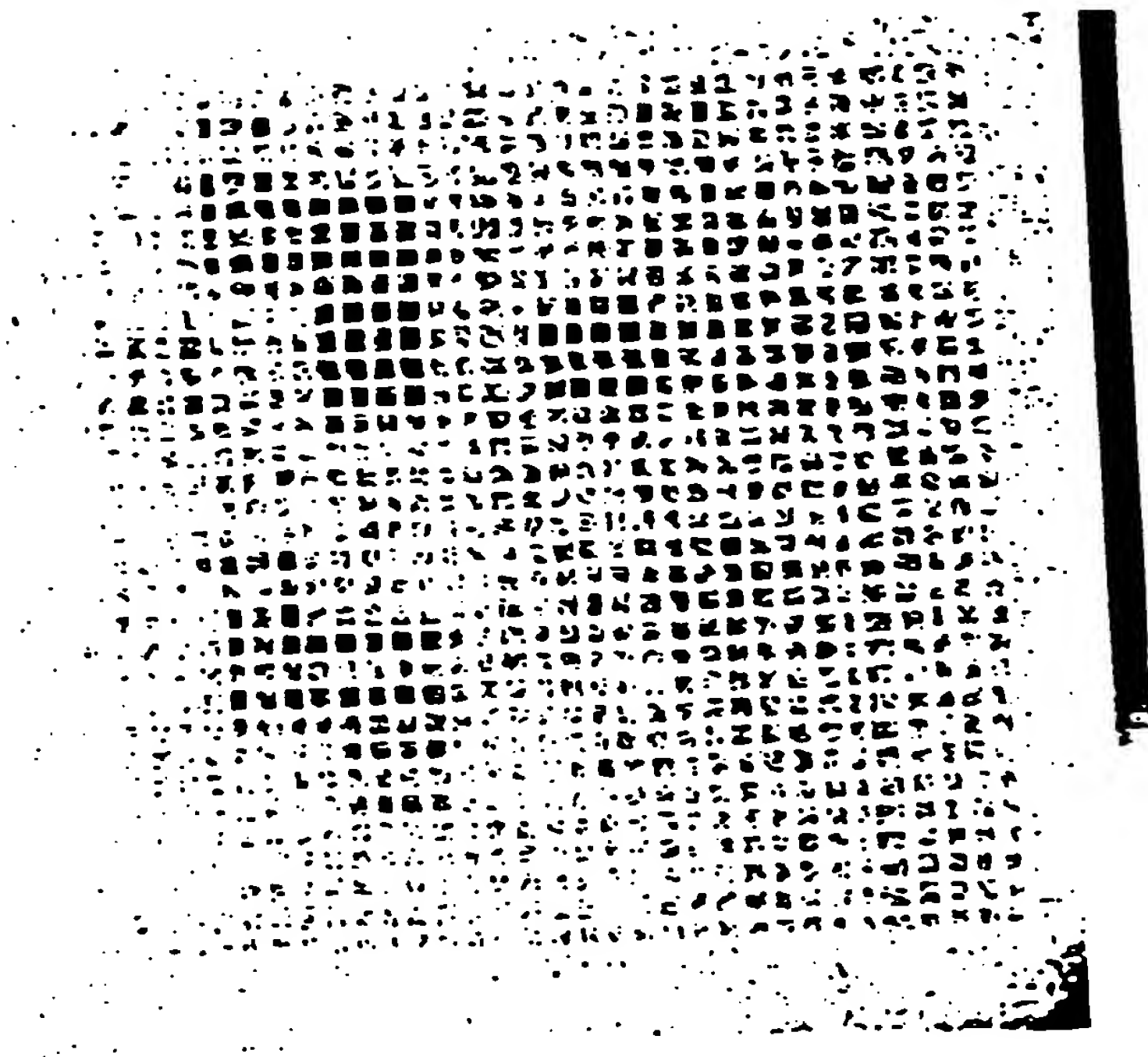


FIG. 16

MISMATCH PROFILE RELATIVE TO WILDTYPE  
WILDTYPE: AACCCAAACCC  
MUTANT: AACCCAAcCCC

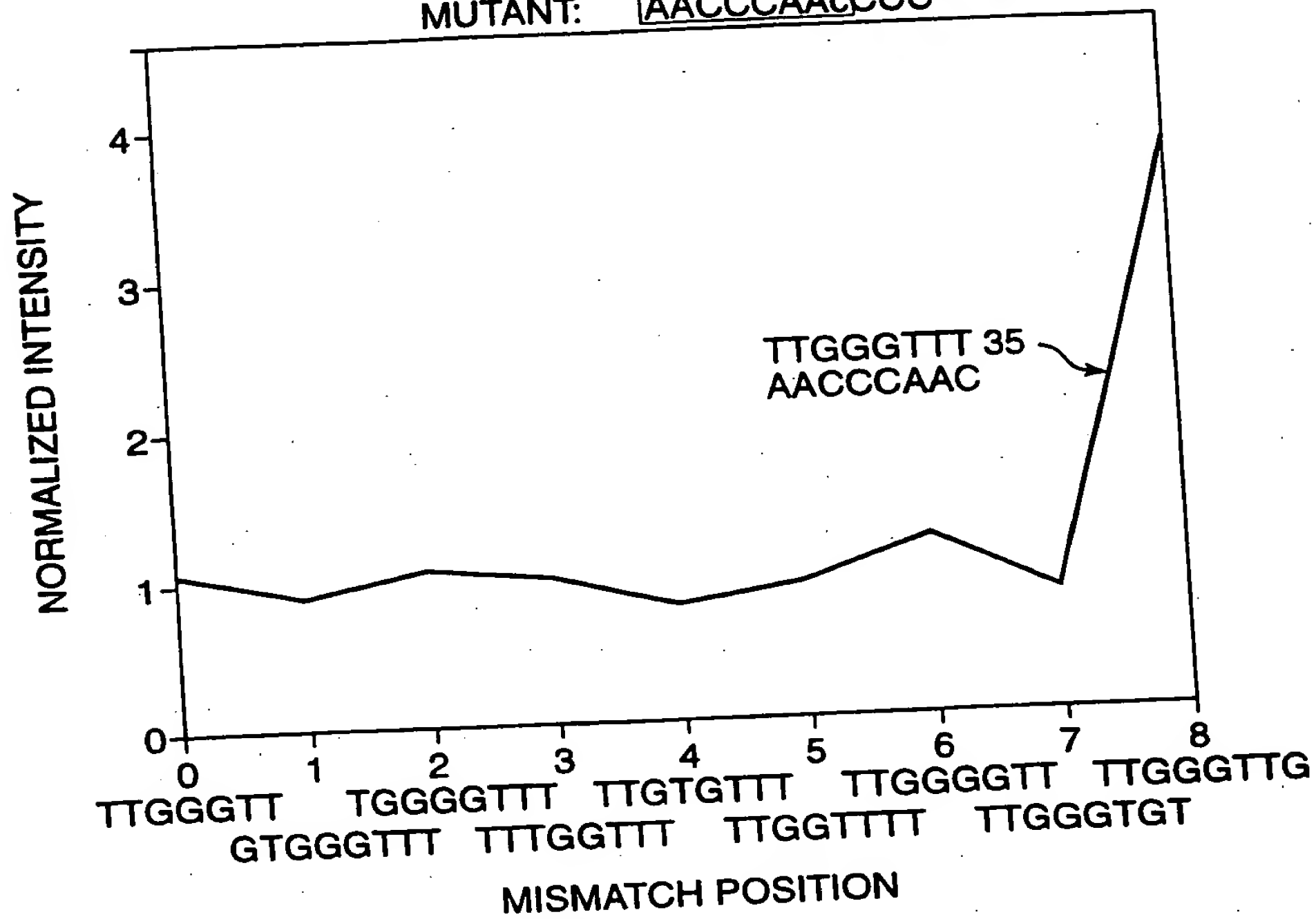


FIG. 17a

MISMATCH PROFILE RELATIVE TO WILDTYPE  
WILDTYPE: AACCCAAAOCC  
MUTANT: AACCCAAcCCC

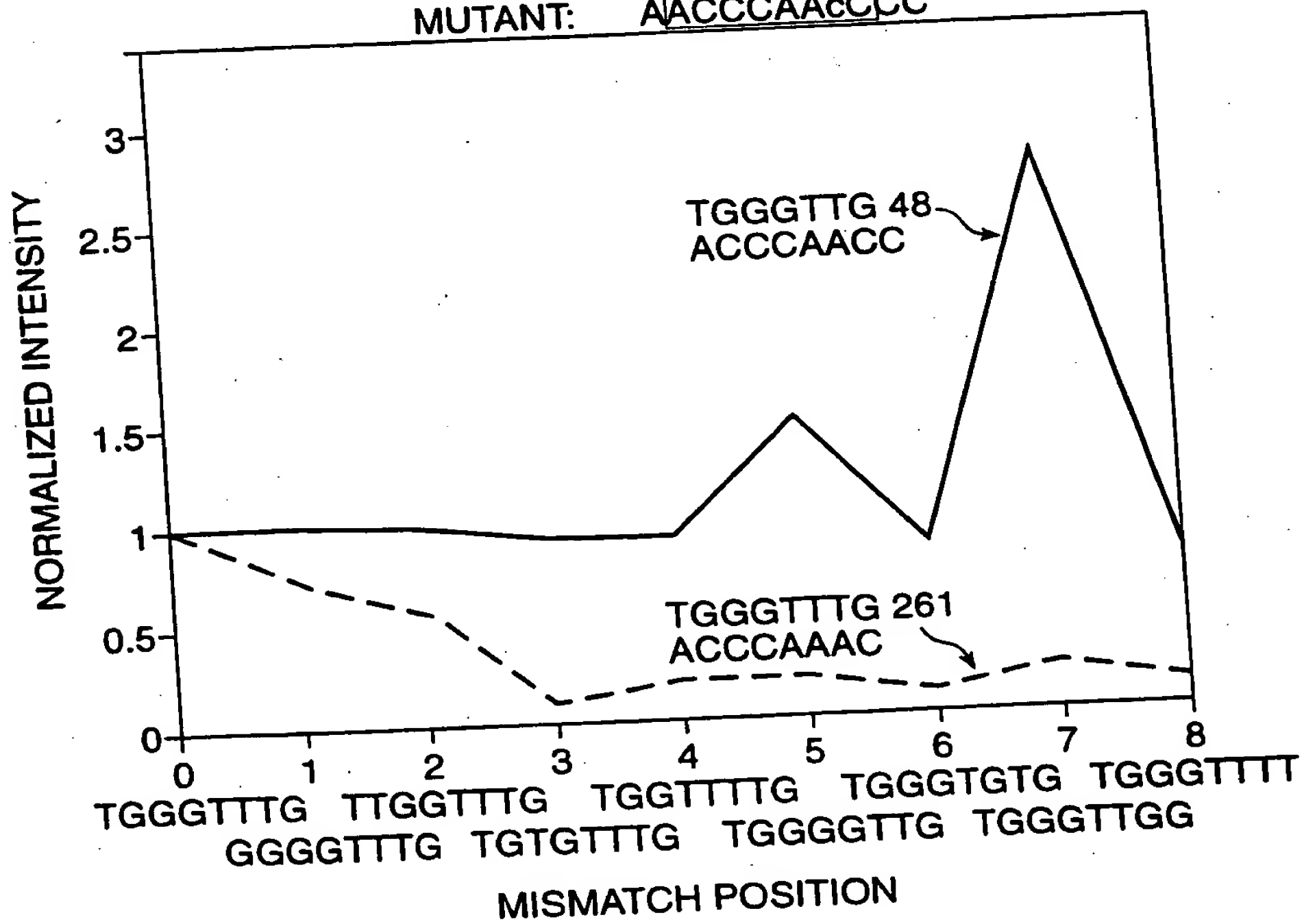


FIG. 17b



CHIP: (G-T)<sup>8</sup> xh91530  
 TARGET: AACCCAACCCC

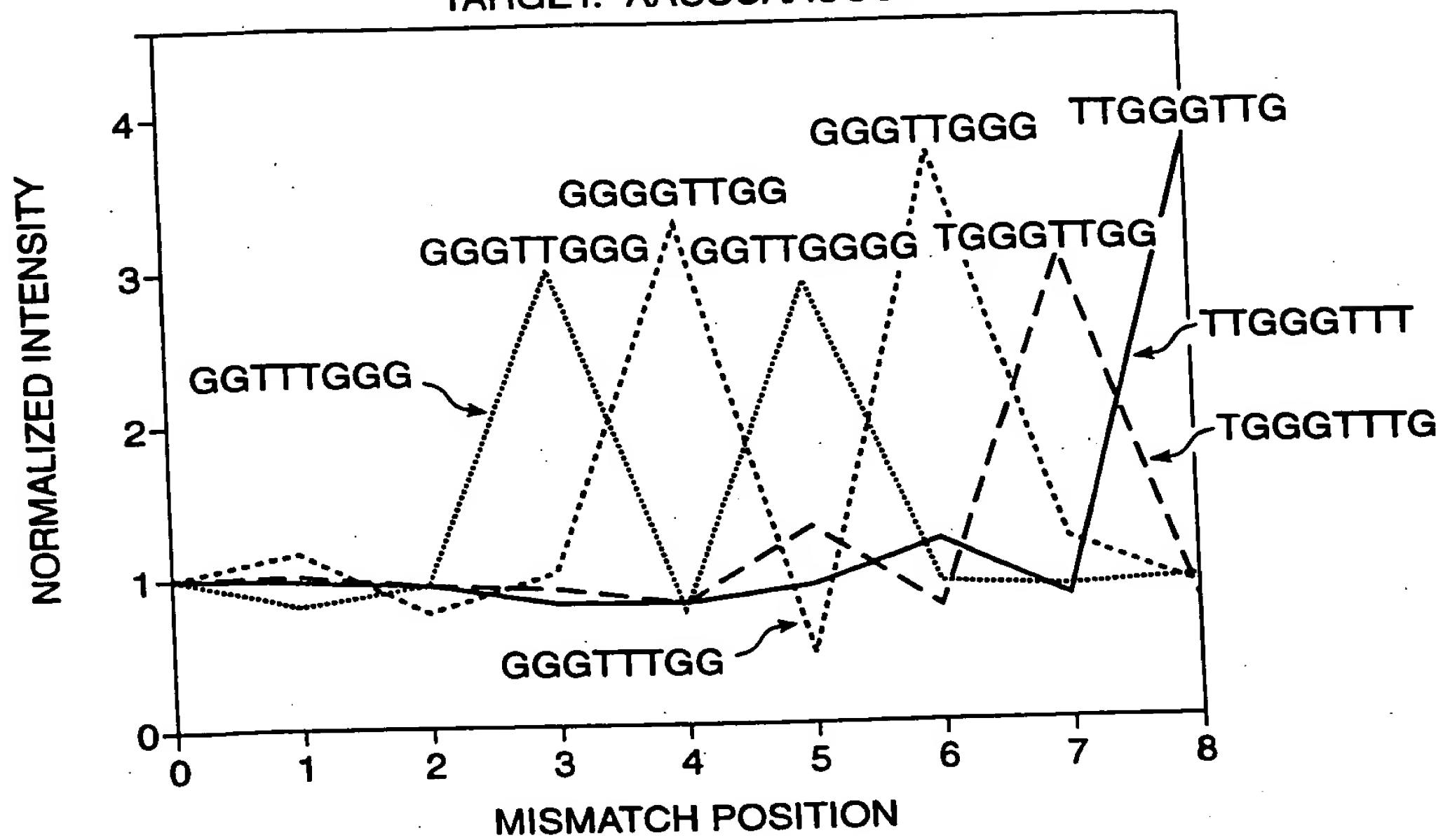
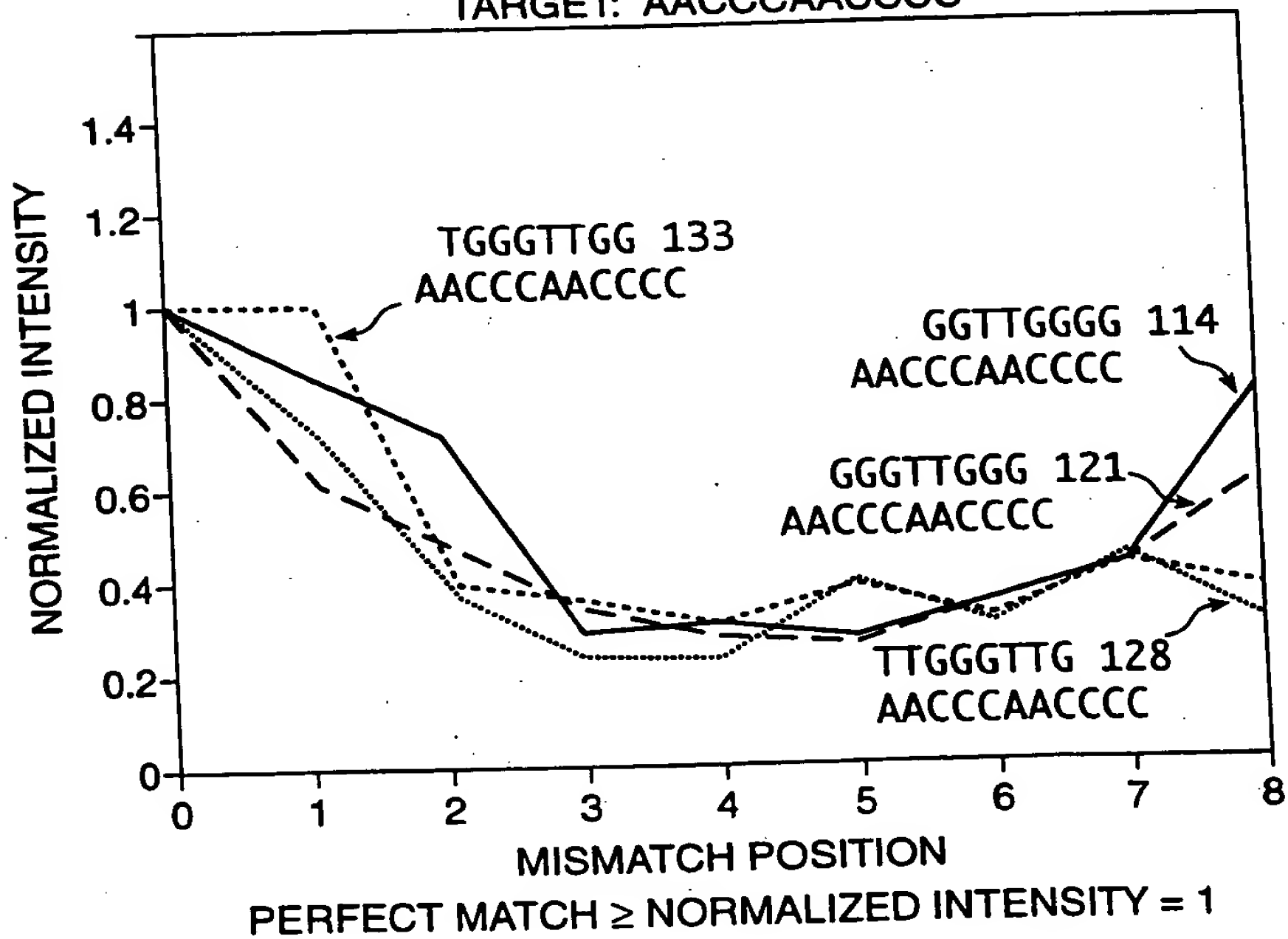


FIG. 17c

CHIP: (G-T)<sup>8</sup>  
 TARGET: AACCCAACCCC



PERFECT MATCH ≥ NORMALIZED INTENSITY = 1

FIG. 17d